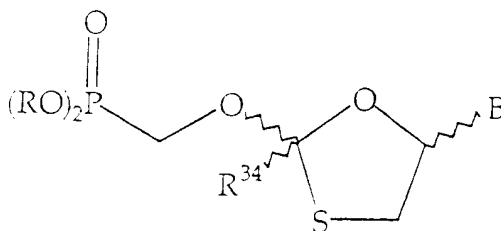




In the Claims

Cancel ~~claims~~ 1-51 without prejudice and substitute new claim 52:

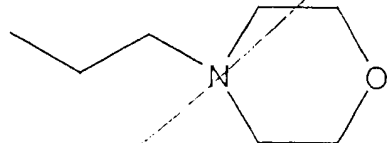
--52. A compound of the <sup>structure</sup> formula 2



2

wherein R<sup>34</sup> is <sup>selected from the group consisting of</sup> H, CH<sub>2</sub>CN, CF<sub>3</sub>;

R independently is phenyl, 2- and 3-pyrrolyl, 2- and 3-thienyl, 2- and 4-imidazolyl, 2-, 4- and 5-oxazolyl, 3- and 4-isoxazolyl, 2-, 4- and 5-thiazolyl, 3-, 4- and 5-isothiazolyl, 3- and 4-pyrazolyl, 2-, 3- and 4-pyridinyl, 2-, 4- and 5-pyrimidinyl, 2-, 3- and 4-alkoxyphenyl (C<sub>1</sub>-C<sub>12</sub> alkyl), 2-, 3- and 4-halophenyl, 2,3-, 2,4-, 2,5-, 2,6-, 3,4- and 3,5-dihalophenyl, 2-, 3- and 4-haloalkylphenyl (1 to 5 halogen atoms, C<sub>1</sub>-C<sub>12</sub> alkyl), 2-, 3- and 4-cyanophenyl, carboalkoxyphenyl (C<sub>1</sub>-C<sub>4</sub> alkyl), 1-, 2-, 3-, and 4-pyridinyl (-C<sub>5</sub>H<sub>4</sub>N-), 2-, 3- and 4-nitrophenyl, 2-, 3- and 4-haloalkylbenzyl (1 to 5 halogen atoms, C<sub>1</sub>-C<sub>12</sub> alkyl), alkylsalicylphenyl (C<sub>1</sub>-C<sub>4</sub> alkyl), 2-, 3- and 4-acetylphenyl, -O-C<sub>10</sub>H<sub>6</sub>-OH, -O-C<sub>10</sub>H<sub>6</sub>-O-, -O-C<sub>6</sub>H<sub>4</sub>-C<sub>6</sub>H<sub>4</sub>-O- (both oxygen atoms are linked to the phosphorus atom), alkoxy ethyl (C<sub>1</sub>-C<sub>6</sub> alkyl), phenoxymethyl, aryloxy ethyl (C<sub>6</sub>-C<sub>9</sub> aryl or C<sub>6</sub>-C<sub>9</sub> aryl substituted by OH, NH<sub>2</sub>, halo, C<sub>1</sub>-C<sub>4</sub> alkyl or C<sub>1</sub>-C<sub>4</sub> alkyl substituted by OH or by 1 to 3 halo atoms), -C<sub>6</sub>H<sub>4</sub>-CH<sub>2</sub>-N(CH<sub>3</sub>)<sub>2</sub>, N-ethylmorpholino

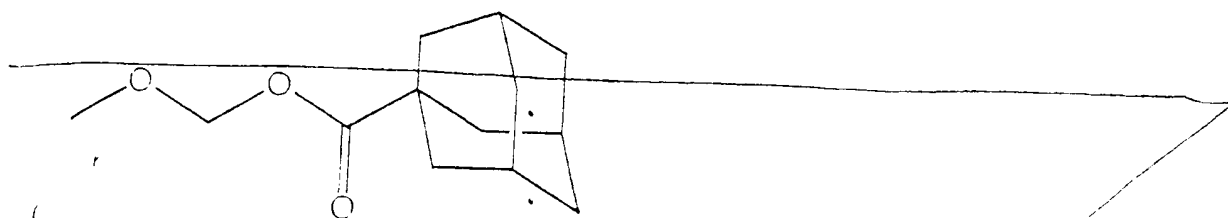


( ; -(CH<sub>2</sub>)<sub>2</sub>-N[(CH<sub>2</sub>)<sub>2</sub>(CH<sub>2</sub>)<sub>2</sub>O],  
adamantoyl oxymethyl, pivaloyloxy(methoxyethyl)methyl  
(-CH(CH<sub>2</sub>CH<sub>2</sub>OCH<sub>3</sub>)-O-C(O)-C(CH<sub>3</sub>)<sub>3</sub>),

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( ; -O-CH<sub>2</sub>-O-C(O)-C<sub>10</sub>H<sub>15</sub>), pivaloyloxymethyl (-CH<sub>2</sub>-O-C(O)-C(CH<sub>3</sub>)<sub>3</sub>), pivaloyloxy(methoxymethyl)-methyl (-CH(CH<sub>2</sub>OCH<sub>3</sub>)-O-C(O)-C(CH<sub>3</sub>)<sub>3</sub>), pivaloyloxyisobutyl (-CH(CH<sub>2</sub>(CH<sub>3</sub>)<sub>2</sub>)-O-C(O)-C(CH<sub>3</sub>)<sub>3</sub>), isobutyryloxymethyl (-CH<sub>2</sub>-O-C(O)-CH<sub>2</sub>-CH(CH<sub>3</sub>)<sub>2</sub>), cyclohexanoyloxymethyl (-CH<sub>2</sub>-O-C(O)-C<sub>6</sub>H<sub>11</sub>), phenyl (-C<sub>6</sub>H<sub>5</sub>), benzyl (-CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub>), isopropyl (-CH(CH<sub>3</sub>)<sub>2</sub>), t-butyl (-C(CH<sub>3</sub>)<sub>3</sub>), -CH<sub>2</sub>-CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>2</sub>-CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>3</sub>-CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>4</sub>-CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>5</sub>-CH<sub>3</sub>, -CH<sub>2</sub>-CH<sub>2</sub>F, -CH<sub>2</sub>-CH<sub>2</sub>Cl, -CH<sub>2</sub>-CF<sub>3</sub>, -CH<sub>2</sub>-CCl<sub>3</sub>, R<sup>5</sup>, NHR<sup>6A</sup> or N(R<sup>6A</sup>)<sub>2</sub>;

wherein R<sup>5</sup> is CH<sub>2</sub>C(O)N(R<sup>6A</sup>)<sub>2</sub>, CH<sub>2</sub>C(O)OR<sup>6A</sup>, CH<sub>2</sub>OC(O)R<sup>6A</sup>, CH(R<sup>6A</sup>)OC(O)R<sup>6A</sup>, CH<sub>2</sub>C(R<sup>6A</sup>)<sub>2</sub>CH<sub>2</sub>OH, CH<sub>2</sub>OR<sup>6A</sup>, NH-CH<sub>2</sub>-C(O)O-CH<sub>2</sub>CH<sub>3</sub>, N(CH<sub>3</sub>)-CH<sub>2</sub>-C(O)O-CH<sub>2</sub>CH<sub>3</sub>, NHR<sup>40</sup>, CH<sub>2</sub>-O-C(O)-C<sub>6</sub>H<sub>5</sub>, CH<sub>2</sub>-O-C(O)-C<sub>10</sub>H<sub>15</sub>, -CH<sub>2</sub>-O-C(O)-CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>-O-C(O)-CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>-O-C(O)-C(CH<sub>3</sub>)<sub>3</sub>, CH<sub>2</sub>-O-C(O)-CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub>;

wherein R<sup>6A</sup> is C<sub>1</sub>-C<sub>20</sub> alkyl which is unsubstituted or substituted by substituents independently selected from the group consisting of OH, O, N and halogen (1 to 5 halogen atoms), C<sub>6</sub>-C<sub>20</sub> aryl which is unsubstituted or substituted by substituents independently selected from the group consisting of OH, O, N and halogen (1 to 5 halogen atoms) or C<sub>7</sub>-C<sub>20</sub> aryl-alkyl which is unsubstituted or substituted by substituents independently selected from the group consisting of OH, O, N and halogen (1 to 5 halogen atoms), provided that for compounds of formulas N(R<sup>6A</sup>)<sub>2</sub>, CH<sub>2</sub>C(O)N(R<sup>6A</sup>)<sub>2</sub>, CH<sub>2</sub>C(O)OR<sup>6A</sup>, CH<sub>2</sub>OC(O)R<sup>6A</sup>, CH(R<sup>6A</sup>)OC(O)R<sup>6A</sup> and CH<sub>2</sub>C(R<sup>6A</sup>)<sub>2</sub>CH<sub>2</sub>OH, the total number of carbon atoms present is less than 25;

wherein R<sup>40</sup> is C<sub>1</sub>-C<sub>20</sub> alkyl; and

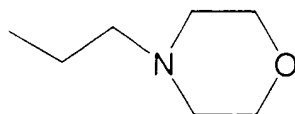
B is a 1-pyrimidinyl residue selected from cytosinyl, 5-halocytosinyl, and 5-(C<sub>1</sub>-C<sub>3</sub>-alkyl)cytosinyl.

R independently is selected from the group consisting of  $X^1$ ,  $X^2$ ,  $X^3$ ,  $R^5$ ,  $NHR^{6A}$  and  $N(R^{6A})$ , and wherein

$X^1$  is selected from the group consisting of 2- and 3-pyrrolyl, 2- and 3-thienyl, 2- and 4-imidazolyl, 2-, 4- and 5-oxazolyl, 3- and 4-isoxazolyl, 2-, 4- and 5-thiazolyl, 3-, 4- and 5-isothiazolyl, 3- and 4-pyrazolyl, 1-, 2-, 3- and 4-pyridinyl, and 2-, 4- and 5-pyrimidinyl;

$X^2$  is selected from the group consisting of phenyl, benzyl,  $-C_6H_4CH_2-N(CH_3)_2$ , 2-, 3- and 4-alkoxyphenyl ( $C_1-C_{12}$  alkyl), 2-, 3- and 4-halophenyl, 2,3-, 2,4-, 2,5-, 2,6-, 3,4- and 3,5-dihalophenyl, 2-, 3- and 4-haloalkylphenyl (1 to 5 halogen atoms,  $C_1-C_{12}$  alkyl), 2-, 3- and 4-cyanophenyl, carboalkoxyphenyl ( $C_1-C_4$  alkyl), 2-, 3-, and 4-nitrophenyl, 2-, 3- and 4-haloalkylbenzyl (1 to 5 halogen atoms ( $C_1-C_{12}$  alkyl), alkylsalicylphenyl ( $C_1-C_4$  alkyl), 2-, 3- and 4-acetylphenyl, phenyl substituted by methoxy, ethoxy, OH,  $NH_2$ , halo,  $C_1-C_4$  alkyl or  $C_1-C_4$  alkyl substituted by OH or by 1 to 3 halo atoms, and  $-C_{10}H_6OH$ ; and

$X^3$  is selected from the group consisting of alkoxy ethyl ( $C_1-C_6$  alkyl),



adamantoyloxymethyl, pivaloyloxy(methoxyethyl)methyl

(-CH(CH<sub>2</sub>CH<sub>2</sub>OCH<sub>3</sub>)-O-C(O)-C(CH<sub>3</sub>)<sub>3</sub>), 1-adamantane-

carbonyloxymethyleneoxymethyl-, pivaloyloxymethyl (-CH<sub>2</sub>-O-C(O)-C(CH<sub>3</sub>)<sub>3</sub>),

pivaloyloxy(methoxymethyl)-methyl (-CH(CH<sub>2</sub>OCH<sub>3</sub>)-O-C(O)-C(CH<sub>3</sub>)<sub>3</sub>),

pivaloyloxyisobutyl (-CH(CH(CH<sub>3</sub>)<sub>2</sub>)-O-C(O)-C(CH<sub>3</sub>)<sub>3</sub>), isobutyryloxymethyl

(-CH<sub>2</sub>-O-C(O)-CH<sub>2</sub>-CH(CH<sub>3</sub>)<sub>2</sub>), cyclohexanoyloxymethyl

(-CH<sub>2</sub>-O-C(O)-C<sub>6</sub>H<sub>11</sub>), isopropyl (-CH(CH<sub>3</sub>)<sub>2</sub>), t-butyl (-C(CH<sub>3</sub>)<sub>3</sub>),

-CH<sub>2</sub>-CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>2</sub>-CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>3</sub>-CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>4</sub>-CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>5</sub>-CH<sub>3</sub>, -CH<sub>2</sub>-CH<sub>2</sub>F,

-CH<sub>2</sub>CH<sub>2</sub>Cl, -CH<sub>2</sub>-CF<sub>3</sub> and -CH<sub>2</sub>-CCl<sub>3</sub>;

or two R groups are joined to form substituents selected from the group consisting of -C<sub>10</sub>H<sub>6</sub>- and -C<sub>6</sub>H<sub>4</sub>C<sub>6</sub>H<sub>4</sub>-;

wherein R<sup>5</sup> is selected from the group consisting of CH<sub>2</sub>C(O)N(R<sup>6A</sup>)<sub>2</sub>,

CH<sub>2</sub>C(O)OR<sup>6A</sup>, CH<sub>2</sub>OC(O)R<sup>6A</sup>, CH(R<sup>6A</sup>)OC(O)R<sup>6A</sup>, CH<sub>2</sub>C(R<sup>6A</sup>)<sub>2</sub>CH<sub>2</sub>OH, CH<sub>2</sub>OR<sup>6A</sup>,

NH-CH<sub>2</sub>-C(O)O-CH<sub>2</sub>CH<sub>3</sub>, N(CH<sub>3</sub>)-CH<sub>2</sub>-C(O)O-CH<sub>2</sub>CH<sub>3</sub>, NHR<sup>40</sup>,

CH<sub>2</sub>-O-C(O)-C<sub>6</sub>H<sub>5</sub>, CH<sub>2</sub>-O-C(O)-C<sub>10</sub>H<sub>15</sub>, -CH<sub>2</sub>-O-C(O)-CH<sub>2</sub>CH<sub>3</sub>,

CH<sub>2</sub>-O-C(O)-CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>-O-C(O)-C(CH<sub>3</sub>)<sub>3</sub>, and CH<sub>2</sub>-O-C(O)-CH<sub>2</sub>-C<sub>6</sub>H<sub>5</sub>;

wherein R<sup>6A</sup> is selected from the group consisting of C<sub>1</sub>-C<sub>20</sub> alkyl which is unsubstituted or substituted by substituents independently selected from the group consisting of OH, O, N and halogen (1 to 5 halogen atoms), C<sub>6</sub>-C<sub>20</sub> aryl which is unsubstituted or substituted by substituents independently selected

from the group consisting of OH, O, N and halogen (1 to 5 halogen atoms) or C<sub>7</sub>-C<sub>20</sub> aryl-alkyl which is unsubstituted or substituted by substituents independently selected from the group consisting of OH, O, N and halogen (1 to 5 halogen atoms), wherein O and N are substituted for carbon and provided that the total number of R<sup>5</sup> or R carbon atoms is less than 25 for compounds where R<sup>5</sup> or R is selected from the group consisting of N(R<sup>6A</sup>)<sub>2</sub>, CH<sub>2</sub>C(O)N(R<sup>6A</sup>)<sub>2</sub>, CH<sub>2</sub>C(O)OR<sup>6A</sup>, CH<sub>2</sub>OC(O)R<sup>6A</sup>, CH(R<sup>6A</sup>)OC(O)R<sup>6A</sup> and CH<sub>2</sub>C(R<sup>6A</sup>)<sub>2</sub>CH<sub>2</sub>OH;  
\_\_\_\_\_ wherein R<sup>40</sup> is C<sub>1</sub>-C<sub>20</sub> alkyl; and

\_\_\_\_\_ B is a 1-pyrimidinyl residue selected from the group consisting of cytosinyl, 5-halocytosinyl, and 5-(C<sub>1</sub>-C<sub>3</sub>-alkyl)cytosinyl.--